COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; and

I verily believe that I an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **ANTISENSE**OLIGONUCLEOTIDE INHIBITION OF RAS the specification of which:

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()	was	filed	on _			as	Applicat:	ion	Serial	No.	
			and	d was	amended	on		(if	apr	olicable	e).	

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of any application on which priority is claimed:

Country	Number	Date Filed	Priorit	Priority Claimed		
			Yes	No		
			Yes	No		
			Yes	No		

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Serial No.	Filing Date	Status (pending, patented)		
09/128,494	August 3, 1998	pending		
08/411,734	April 3, 1995	pending		
PCT/US93/09346	October 1, 1993			
08/007,996	January 21, 1993	abandoned		
07/958,134	October 5, 1992	abandoned		

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Jane Massey Licata, Registration No. 32,257, and Kathleen A. Tyrrell, Registration No. 38,350 of the firm of Law Offices of Jane Massey Licata, 66 East Main Street, Marlton, New Jersey 08053, and

Address all telephone calls and correspondence to:

Jane Massey Licata, Esq.
Law Offices of Jane Massey Licata
66 East Main Street
Marlton, New Jersey 08053

Telephone No.: (856) 810-1515

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or

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imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

1	Full Name: Brett P. Monia	Inventor's Signature: Date: Citizenship: USA						
	Residence: 7605 Nueva Castilla Way, LaCosta, CA 92009							
	Post Office Address: Same as abo	7e.						
2	Full Name: Lex M. Cowsert	Inventor's Signature:	Date					
_	Residence: 3008 Newshire Street, Citizenship: USA Carlsbad, CA 92008							
	ve.							
	Full Name: Muthiah Manoharan	Inventor's Signature:	Date					
3	Residence: 7634 Reposada Drive, Carlsbad, CA 92009	Citizenship:USA						
	Post Office Address: Same as abo	ve.						
4	Full Name:	Inventor's Signature: Date						
•	Residence:	Citizenship:						
	ve.							

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Serial No. Filing Date Patent No. Issue Date Applicant/ Mosis et al. Patentee: Invention: ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAS Invention: ANTISENSE OLIGONUCLEOTICE INHIBITION OF RAS Invention: ANTISENSE OLIGONUCLEOTICE INHIBITION OF RAS Invention: ANTISENSE OLIGONUCLEOTICE INHIBITION OF RAS Invention: ANTISENSE OLIGONUC	VERIFIED STATEM	ENT (DECLARATION) CL	AIMING SMALL ENTIT	Page 1 of Docket No.					
Not yet assigned									
Applicant/ Patentee: Invention: ANTISENSE OLIGONUCLECTIDE INHIBITION OF RAS I hereby declare that I am: the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below: NAME OF CONCERN: 1sis Pharmaceuticals, Inc. ADDRESS OF CONCERN: 2292 Faraday Avenue, Carlubad, CA 92008 I hereby declare that the above-identified small business concern qualifies as a small business concern as defined 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (if of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, doe not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is it average over the pravious fiscal year of the concern of the persons employed on a full-time, part-time or tempora basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when eithe directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls in his the power to control both. I hereby declare that rights under contract or law have been conveyed to and remain with the small business concernication filed above with regard to the above identified invention described in: the application identified above. the application identified above. the patent identified ab		Issue Date							
Invention: ANTISENSE OLIGONUCLEOTIDE INHIBITION OF RAS I hereby declare that I am: the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below: NAME OF CONCERN: Isis Pharmaceuticals, Inc. ADDRESS OF CONCERN: 2392 Faraday Avenue, Carlsbad, CA 92008 I hereby declare that the above-identified small business concern qualifies as a small business concern as defined 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (in fittle 35, United States Code, in that the number of employees of the concern, including those of its affiliates, doe not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or tempora basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls has the power to control both. I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern latentified above with regard to the above identified invention described in: the application filed herewith with title as listed above. the application identified above. the application identified above. the patent identified above. the patent identified above. the paying reflection filed herewith with title as listed above. the paying reflection filed herewith as a listed on the next page and no rights to the invention are held by a person, other than the invention, who could not qualify as an independent inventor under 37 CFR 1.9(d) or a nonprofit organization under concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under concern which would not q	Not yet assigned	Herewith							
I hereby declare that I am: the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below: NAME OF CONCERN: Isis Pharmaceuticals, Inc. ADDRESS OF CONCERN: 2292 Faraday Avenue, Carlsbad, CA 92008 I hereby declare that the above-identified small business concern qualifies as a small business concern as defined of Title 35, United States Code, in that the number of employees of paying reduced fees under Section 41(a) and (in of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, do not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the pravious fiscal year of the concern of the persons employed on a full-time, part-time or tempora basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls in his the power to control both. I hereby declare that rights under contract or law have been conveyed to and remain with the small business concernidentified above with regard to the above identified invention described in: the specification filed herewith with title as listed above. the application identified above. the patent identified above. the patent identified above. the patent identified above. the patent identified above to temporal business concern are not exclusive, each individual, concern organization having rights to the invention is listed on the next page and no rights to the invention are held by an person, other than the inventor, who could not qualify as a mindependent inventor under 37 CFR 1.9(c) or by an expendent provided and the page and no rights to the invention and the concern are made 37 CFR 1.9(c) or by an expendent inventor under 37 CFR 1.9(c) or by an expendent inventor under 37 CFR									
the owner of the small business concern identified below: an official of the small business concern empowered to act on behalf of the concern identified below: NAME OF CONCERN: Isis Pharmaceuticals, Inc. ADDRESS OF CONCERN: 2292 Faraday Avenue, Carisbad, CA 92008 I hereby declare that the above-identified small business concern qualifies as a small business concern as defined 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under Section 41(a) and (i of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, doe not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or tempora basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls has the power to control both. I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern dentified above with regard to the above identified invention described in: the specification filed herewith with title as listed above. the application identified above. the patent identified above. the patent identified above. the patent identified above. for the rights held by the above-identified small business concern are not exclusive, each individual, concern organization having rights to the invention is listed on the next page and no rights to the invention are held by an person, other than the inventor, who could not qualify as an independent inventor under 37 CFR 1.9(d) or a nonprofit organization and	invention: ANTISENSE C	LIGONUCLEOTIDE INHIBITIO	ON OF RAS						
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	Each person, obligation und	, concern or ler contract o	organizatk or law to est	on to which I	have a	assigned, granted, conver r license any rights in the	eyed, or lic Invention	censed or am under en is listed below:	
no such person, concern or organization exists. — each such person, concern or organization is listed below.									
	FULL NAME ADDRESS								
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	Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27) if acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or a maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b)) If hereby declare that all statements made herein of my own knowledge are true and that all statements made information and belief are believed to be true; and further that these statements were made with the knowledge the willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001. Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application any patent issuing thereon, or any patent to which this verified statement is directed. NAME OF PERSON SIGNING: B. Lynne Parshall TITLE OF PERSON SIGNING:							of the Issue fee or any (37 CFR 1.28(b)) all statements made on with the knowledge that h, under Section 1001 of	
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OTHER THAN OWNER: Executive Vice President									
	ADDRESS OF PERSON SIGNING: Isis Pharmaceuticals, Inc.								
				Carlsbad R		•			
				2292 Farad	ay Aven	ue			
	Eurisbad, CA 92008								
	SIGNATURE:	<u> </u>				DATE:	5/1	9/00	